

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/003186

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61L9/03 A01M1/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61L A01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 270 021 A (ZOBEL HOLDING S P A) 2 January 2003 (2003-01-02) paragraphs '0027!', '0045!; figures 1-5	1-15
X	US 5 945 094 A (MARTIN JOHN ET AL) 31 August 1999 (1999-08-31) figures 1-5	1-15
X	US 5 903 710 A (MARTIN JOHN ET AL) 11 May 1999 (1999-05-11) figures 1-5	1-15
X	US 6 123 935 A (MARTIN JOHN ET AL) 26 September 2000 (2000-09-26) figures 1-4	1-15
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

15 December 2004

Date of mailing of the international search report

12 1 01 05

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Connor, M

INTERNATIONAL SEARCH REPORT

Optional Application No
PCT/GB2004/003186

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 722 742 A (GLOBOL GMBH) 24 July 1996 (1996-07-24) figures 1-7 -----	1-15
X	WO 98/46284 A (JOHNSON & SON INC S C) 22 October 1998 (1998-10-22) figures 8-11 -----	31-59
X	DE 41 31 613 A (GLOBOL GMBH) 25 March 1993 (1993-03-25) figure 3 -----	31-59
P,X	US 2004/076410 A1 (ZOBEL FRANKO ET AL) 22 April 2004 (2004-04-22) figures 1,3,4 -----	31-59

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2004/003186

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☒ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
1-15, 31-59
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/SA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-15

device with features
(a),(b),(b1)_ (1),(b2)_ (2),(c),(c1),(d),(e)

2. claims: 16-30

device with features
(a),(b),(b1)_ (1),(b2)_ (3),(c),(c1),(f)_ (4)

3. claims: 31-59

device with features (a),(b),(b1)(1),(b2)(2),(c)'clm.31!,
(f)_ (5),(g),(h),(h1),(i)

4. claims: 60-67

device with features (a),(b),(h),(i),(i1)_ (6)

5. claims: 68,69

device with features (a),(b),(c),(i),(k)

6. claim: 70

device with features (a),(b),(c),(k)

INTERNATIONAL SEARCH REPORT

Patent Application No
PCT/GB2004/003186

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1270021	A	02-01-2003	IT MI20011296 A1 EP 1270021 A1	20-12-2002 02-01-2003
US 5945094	A	31-08-1999	AU 7137698 A WO 9846285 A1	11-11-1998 22-10-1998
US 5903710	A	11-05-1999	AU 7119698 A WO 9846281 A1	11-11-1998 22-10-1998
US 6123935	A	26-09-2000	AU 6974498 A WO 9846283 A1 ZA 9803043 A	11-11-1998 22-10-1998 20-10-1998
EP 0722742	A	24-07-1996	DE 4446413 A1 AU 695612 B2 AU 4020095 A BR 9505736 A CN 1133257 A EG 21034 A EP 0722742 A2 JP 8244842 A KR 231352 B1 TR 960538 A2 ZA 9510121 A	27-06-1996 20-08-1998 04-07-1996 23-12-1997 16-10-1996 30-09-2000 24-07-1996 24-09-1996 15-11-1999 21-07-1996 06-06-1996
WO 9846284	A	22-10-1998	AU 6975798 A WO 9846284 A1	11-11-1998 22-10-1998
DE 4131613	A	25-03-1993	DE 4131613 A1	25-03-1993
US 2004076410	A1	22-04-2004	NONE	